

Translation of the pertinent portions of an International Search Report, mailed 03/18/2004

This International Search Report comprises a total of seven pages. Copies of the cited references are enclosed.

3. Lack of unity of the invention (see Field II).
4. Regarding the title of the invention  
the wording filed by Applicant is approved.
5. Regarding the abstract  
the wording was determined by the Office in  
accordance with Rule 28.2b) in the version shown in Field III  
[and shown on the cover sheet of the published PCT  
application]
6. Fig. 1 is to be published with the abstract, since  
Applicant has not suggested a drawing figure.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/DE 03/02998

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

See additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, as follows:

1. Claims: 1-20, 22-32

method and device for regulating web tension in a multiple-web system using a regulation system comprising two separated regulating processes for regulating the tension of the webs relative to each other and for regulating the tension of each individual web, it being possible for the second regulating process to work using fuzzy logic.

(Problem: flexible regulation of web tension in a multiple-web system in order to achieve an optimum web tension profile of each individual web and of the relative tensions in the total combined web)

2. Claim: 21

method for regulating a parameter in a paper-processing machine comprising two regulating processes, a preset value for a parameter being generated in the first regulating process on the basis of a rule and/or characteristic field and supplied to a second regulating process that works using fuzzy logic, thereby modifying at least one fuzzification term.

(Problem: to regulate any of the parameters of a paper-processing machine taking into account experience values)

# BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/DE 03/02998

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, as follows:

1. Claims: 1-20, 22-32

method and device for regulating web tension in a multiple-web system using a regulation system comprising two separated regulating processes for regulating the tension of the webs relative to each other and for regulating the tension of each individual web, it being possible for the second regulating process to work using fuzzy logic.

(Problem: flexible regulation of web tension in a multiple-web system in order to achieve an optimum web tension profile of each individual web and of the relative tensions in the total combined web)

2. Claim: 21

method for regulating a parameter in a paper-processing machine comprising two regulating processes, a preset value for a parameter being generated in the first regulating process on the basis of a rule and/or characteristic field and supplied to a second regulating process that works using fuzzy logic, thereby modifying at least one fuzzification term.

(Problem: to regulate any of the parameters of a paper-processing machine taking into account experience values)

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/DE 03/02998

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

See additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.